

Work Order ID 62890

Tuesday, October 12, 2010 1:22:49 PM



Today

Page 1

Item ID: DSI 9379-013

Accept



Setup Start



Revision ID:

Item Name: Cargo Mirror Upgrade

Stop



Start Date: 10/13/2010 Start Qty: 6.00



Cust Item ID:

Required Date: 10/13/2010 Req'd Qty: 6.00

Customer:

Reference:

Approvals:

Process Plan:

mm

Date: 10-10-12

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr	Revision Nbr
DSI 9379	C

100

0.00



DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy DSI 9379 and create labels per PPP DSI 9379-011 CHG001

10/10/12

HJ for MF 10-10-12 P10 →

110

QC4- 100% Inspect kits for completeness

0.00



QC

Memo

0.00

Quality Control

← Pick Kit →
10/10/12

10/14/12 (5)

120

Packaging

0.00



Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP DSI 9379-011

10/14/12 (5)

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
10/10/12	# 100	ADD step to Pick Kit					S 10/10/12	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 62890

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Item ID: DSI 9379-013

Accept



Setup Start



Revision ID:

Stop



Item Name: Cargo Mirror Upgrade

Start Date: 10/13/2010 Start Qty: 6.00



Cust Item ID:

Required Date: 10/13/2010 Req'd Qty: 6.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/10/12 [Signature]
MF:
10-10-12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 62890

Parent Item: DSI 9379-013

Parent Item Name: Cargo Mirror Upgrade

Start Date: 10/13/2010

Required Date: 10/13/2010

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP rev A 10.02.16 new issue EC verified by:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN4-5A Bolt		Purchased	No			100	Each	213.0000	2	120			

Location	Loc Qty	Loc Code
ST356	213	
114330	13	
115016	100	
115767	100	

1114330

AN960JD416 Washer	NAS1149D0463J	Purchased	No			100	Each	24.0000	4	120			
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Location	Loc Qty	Loc Code
ST300	24	
113288	24	

1115697

D4070-041 Clamp		Manufactured	No			100	Each	55.0000	2	120			
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Location	Loc Qty	Loc Code
ST460	55	
56381	55	

56381

11/14/12 (5)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 62890



Parent Item: DSI 9379-013



Parent Item Name: Cargo Mirror Upgrade

Start Date: 10/13/2010

Required Date: 10/13/2010

Start Qty: ~~6.00~~ 5

Required Qty: 6.00

MS21042L4

Purchased

No

100

Each

4,050.000

2

120



Nut



Handwritten signature and date 10/12/10

Location

Loc Qty

Loc Code

ST300

4050

113422

68

114523

8

114718

16

114784

32

115108

926

115589

1900

115621

1100

M115108

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Shop Packet Print

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-561 REV. C

REF. CANADIAN STC: SH91-20 ISSUE 2

REF. FAA STC: SH856NE

REFERENCE ONLY

To reduce vibration, Dart has developed the D350-561-141/-143 Mirror Installations to replace the D350-561-041/-043 Mirror Installations. For customers with D350-561-041/-043 Mirror Installations at CHG 005 or earlier who would like to upgrade their installation, the DSI 9379-011 Upgrade Kit can be obtained from Dart. The components for DSI 9379-011 Kit are as defined in Section 1.0 below.

Customers upgrading their installation from D350-561-041/-043 to D350-561-141/-143 should follow instructions given in Figures 1 through 5 of DSI 9379 and refer to Installation Instructions D350-561 Rev. C as applicable.

Customers who are installing a D350-561-141/-143, should refer to Figures 2 through 5 of DSI 9379 and refer to Installation Instructions D350-561 Rev. C as applicable.

This service instruction details the D350-561-141/-143 kits at CHANGE 003 or later, which use D4070-041 Clamps (replaces MS21919WDG7 clamps). For -141/-143 kits at earlier change numbers, the DSI-9379-013 Upgrade kit is available to replace the mil-spec clamps with more robust D4070-041 Clamps.

1.0 PARTS LIST

Qty -141	Qty -143	Qty -045	Qty -011	Qty -013	Part Number	Description
X	1				D350-561-141	SINGLE MIRROR INSTALLATION (REPLACES -041)
	X				D350-561-143	DUAL MIRROR INSTALLATION (REPLACES -043)
	1	X			D350-561-045	MIRROR KIT
			X		DSI-9379-011	UPGRADE KIT
				X	DSI-9379-013	UPGRADE KIT
1		1			D2011-101	MIRROR
1					D2012-105	ARM
1					D2012-107	CLEVIS
1					D2012-111	BRACKET
		2			D2012-113	CLAMP
1					D2012-115	BRACKET
2					D2022-101	SPACER
1*		1*			D3014-1	LOCKNUT
1			1		D3629-1	BRACKET
1			1		D3635-1	GASKET
2			2		D3635-3	GASKET
1			1		D3646-1	ARM
1			1		D3646-3	ARM
2			2	2	D4070-041	CLAMP
3			3		AN3-4A	BOLT
1					AN3-6A	BOLT
3			2	2	AN4-5A	BOLT
1					AN4-10A	BOLT
8			6		AN960JD10	WASHER
8			4	4	AN960JD416	WASHER
1*		1*			AN960JD416L	WASHER
4			3		MS21042L3	NUT (OR MS21042-3)
4			2	2	MS21042L4	NUT (OR MS21042-4)




*INCLUDED AS PART OF D2011-101 MIRROR

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 10.02.12
CERT. NO.: SH91-20
ISSUE NO.: 2

C	D4070-041 WAS MS21919WDG7	CP	10.02.12		
B	MS21919WDG7 WAS MS21929WDG7	DC	07.11.26		
A	NEW ISSUE	MB	07.07.10		
REV.	DESCRIPTION	BY	DATE		
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWN					
CHECKED					
MFG. APPR.					N/A
APPROVED					
DE APPR.		DRAWING NO.	REV. C		
		DSI 9379	SHEET 1 OF 5		
		TITLE	SCALE		
		CARGO MIRROR UPDRAGE KIT	NTS		
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